ork Order ID 72072

Friday, July 22, 2011 9:20:24 AM



Item	ID:

D3405-041

Accept

Setup Start

Stop



Revision ID:

Item Name: Lug Assembly

Start Date: 7/19/2011 Required Date: 7/29/2011 Start Qty: 2.00

Req'd Oty: 2.00



Cust Item ID: Customer:

Reference:

Approvals:

Process Plan: MW

Operation

Date: 11-07-22 Tooling:

Date:

Start



QC:

Date:

SPC (Y/N):

Set Up/

0.00

0.00

Run Hours

Date:

Tool ID

Tool # Plan Accept

Qty

Code

Reject Qty

Run

Reject Insp. Number Stamp

Work Center ID **Draw Nbr**

Sequence ID/

Description **Revision Nbr**

Rev B

100

D3405

Waterjet

FLOW CNC Waterjet

304 175

FLOW WATER JET

Memo

1-Cut as per Dwg D3405

Dwg Rev: Prog Rev: 2-Deburr if necessary

110

Quality Control

QC2- Inspect parts off machine FAI/FAIB

0.00

Memo

0.00

B11-8-)

B11-8-2

120

Quality Control

QC8- Inspect parts - second check

Memo

0.00



W/O:		WORK ORDER CHANGES										
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector					
11-08-		Put D3405-1 Backinto stock under same batch number \$72072 x5.	ME	//~08- //	5							
	\						·					

Part No:	PAR #:	Fault Category:	NCR: Yes No	DQA:	Date:
Resolution:		Disposition:	QA: N/C Closed	l:	Date:

NCR:		WORK ORDER NON-CONFORMANCE (NCR)												
31.2		Description of NC	Description of NC Corrective Action Section B											
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspector						
*														
4														

Work Order ID 72072

Friday, July 22, 2011 9:20:24 AM



Page 2

Item ID:

D3405-041

Revision ID: Item Name:

Lug Assembly

Start Date:

7/19/2011

Start Oty: 2.00

Required Date: 7/29/2011

Req'd Qty: 2.00



Accept



Setup Start





Reference:

Approvals:

Process Plan: _____ Date:

Tooling:

SPC (Y/N):

Date:

Date:

Cust Item ID:

Customer:

Tool ID

Run

Start

Stop



Sequence ID/ Work Center ID

130

Brake NC

Brake NC

Operation Description

NC BRAKE

Memo

Memo

1-Deburr

Set Up/ **Run Hours**

2-Form using DT8204 as per Dwg D3405 3- use DT9681 to check if correct forming

Date: _____

0.00

0.00

53 11/08/04

Tool # Plan Code

Accept Qty

Reject Oty

Reject Number Stamp

Insp.

140

Quality Control

QC5- Inspect part completeness to step on W/O

150

Large Fab Large Fab

Large Fab

Memo

Weld as per Dwg D3405 use DT8484 Identify as D3405-041

M117659

0.00

0.00

X2 11-08-11 flx/ Col 11-08-11

Dail Aci	Uspace	Liu							
W/O:			W	ORK ORDER CHANG	GES				
DATE	STEP	PRO	OCEDURE CH	ANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No		PAR #:		•					1
	Re	esolution:	Dispositi	on:	QA: N/C C	losed:		Date: _	
NCR:			WORK ORE	DER NON-CONFORM	ANCE (NC	R)			
DATE	STEP	Description of NC			ction B	Verifi	cation	Approval	Approval
DAIL	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Date		ion C	Chief Eng	QC inspector
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Work Order ID 72072

Friday, July 22, 2011 9:20:24 AM



Page 3

Item ID:

D3405-041

Accept



Setup Start

Stop



Revision ID:

Item Name:

Required Date: 7/29/2011

Lug Assembly

Start Date:

7/19/2011

Start Oty: 2.00

Req'd Qty: 2.00



Cust Item ID:

Customer:

Tool ID

Reference:

Approvals:

Process Plan:

Date:

Date:

Tooling: SPC (Y/N):

Date:

Date:

Tool # Plan

Code

Run

Start Stop

Reject

Otv



Number Stamp

Insp.

Sequence ID/ **Work Center ID**

Quality Control

Operation Description

QC9- Inspect visual per QSI004- Fusion Welds

Memo

Memo

Set Up/ **Run Hours**

0.00

0.00

Accept

Otv

Reject

170

QC

Quality Control

QC5- Inspect part completeness to step on W/O

186

Powdercoat

Powder Coating

Black Sandtex(Ref:4.3.5.7) per QSI005 4.3

0.00

M 115/28

Memo

0.00

& COPMOVEN TEMPERATURE:

START TIME: 6:

3209

Z & JU 408/12

-411710	. oopaoo z	···							
W/O:			WC	RK ORDER CHANG	ES				
DATE	STEP	PRO	OCEDURE CHA	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
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Part No);	PAR #:	Fault Cate	jory:	_ NCR: Yes	No DQ	A :	_ Date: _	
Resolution:			Disposition	1:	_ QA: N/C C	osed:		Date: _	# · · · · · · · · · · · · · · · · · · ·
NCR:			WORK ORDI	ER NON-CONFORMA	NCE (NCF	R)			
DATE	STEP	Description of NC				cation		Approval	
		Section A	Initial Chief Eng	Action Description Chief Eng	Date			Chief Eng	QC Inspector
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Work Order ID 72072

Friday, July 22, 2011 9:20:24 AM



Page 4

Item ID:

D3405-041

Accept



Setup Start



Revision ID:

Item Name: Lug Assembly

7/19/2011

Start Oty: 2.00

Required Date: 7/29/2011

Req'd Qty: 2.00



Date: _____

Cust Item ID: Customer:

Reference:

Start Date:

Approvals:

Process Plan:

Date:

Tooling:

SPC (Y/N):

Date:

Date:

Run

Start

Stop



Stop

Sequence ID/ Work Center ID

190

Quality Control

Operation Description

QC:

QC3- Inspect Part Finish

Memo

Set Up/ **Run Hours**

0.00

0.00

Tool ID

Tool # Plan

Accept Code Otv

Reject Qty

Reject Number Stamp

Insp.

200

Packaging **Packaging**

Memo

0.00

0.00

210

Quality Control

QC21- Final Inspection - Work Order Release

Identify as per dwg & Stock Location:

0.00

Memo

0.00

CK 11/08/12 MF/1-08 21

	•		•						
W/O:			WC	ORK ORDER CHANG	iES				· · · · · · · · · · · · · · · · · · ·
DATE	STEP	PRO	OCEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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						·····			
Part No	:	PAR #:	Fault Cate	gory:	_ NCR: Yes	No DQ	A :	_ Date: _	
	Re	esolution:	Dispositio	n:	QA: N/C CI	osed:		Date: _	
NCR:			WORK ORD	ER NON-CONFORM	ANCE (NCF	R)			
DATE	STEP	Description of NC	Description of NC Corrective Action			Verifi	cation	Approval	Approval
	SILI	Section A	Initial Chief Eng			Sect	ion C	Chief Eng	QC Inspector
•									

Tuesday, July 19, 2011 9:05:08 AM

Work Order ID: 72072

D3405-041 Parent Item:

Parent Item Name: Lug Assembly



Start Date: 7/19/2011

Required Date: 7/29/2011

Start Qty: 2.00

Required Qty: 2.00

Comments:

IPP A□05.09.01□New issue□KJ/JLM□

IPP B 09.01.28 rev.B drawing EC verified by:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3404-1		Manufactured	No			100	Each	31.0000	1 	2			
				Location		Loc	<u>Oty</u>	Loc Code		. 1 11		, · , ·	-0 *- //
				WA			28			72/10	1 m		-08-11
					70664		28				•		
				WA030			3		_			' /	
					67127		3		_				
M304S11GA 304/316 0.125 Sheet		Purchased	No			150	sf	79.0000	0.154	0.324211 (B/)	- 8-2		
				Location		Loc	<u>Oty</u>	Loc Code		7		·C-	
				MAT020			79					17	
					117494		79		1	17494			

Duit Aci	ospace i	Liu							
W/O:			W	ORK ORDER CHANG	ES			ŧ	
DATE	STEP	PRO	OCEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
	,						-		
Part No	:	PAR #:	Fault Cate	gory:	NCR: Yes	No DQ	A:	Date: _	
	Re	solution:	Dispositio	n:	_ QA: N/C C	losed:		Date: _	
NCR:			WORK ORD	ER NON-CONFORMA	NCE (NCF	R)			
DATE	STEP	Description of NC		Corrective Action Section			cation	Approval	Approval
		Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Section Date		Chief Eng	QC Inspector

DART AEROSPACE LTD	Work Order:	72072
Description: GHW Lug	Part Number:	D3405-1
Inspection Dwg: D3405 Rev: B		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
Ø0.438	+0.006/-0.001	.438	~		V 1B07	
1.50	+/-0.030	1.516	x		V	
1.750	+/-0.010	1,747	7		V	
6.751	+/-0.010	6.757	<u></u>		V	
8.00	+/-0.030	8.001	+		V	
0.125	+/-0.010	.118)	9		V	
			-			
			 			
1						

Measured by:	B	Audited by:	2	Prototype Approval:	N/A
Date:	11-8-7	Date:	11/28/2	Date:	N/A

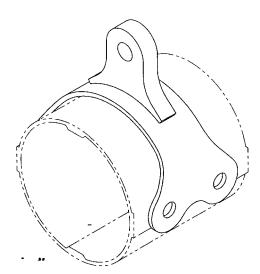
Γ	Rev	Date	Change	Revised by	Approved
ı	Α	08.11.28	New Issue P/O D3405-041	KJ/EC	71
r	В	09.05.04	Dimensions update per Dwg Rev. B	KJ/DD +	
L				17	7 /

Duit Ac	.oopao	J Ltu								
W/O:			W	ORK ORDER CHANGI	ES					
DATE	STEP	PRO	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
					:					
										
									<u> </u>	
Part No: PAR #:			Fault Cate	egory:	NCR: Yes	No DQ	A:	\: Date:		
Resolution:			Disposition	on:	QA: N/C Closed: Date: _					
NCR:			WORK ORD	ER NON-CONFORMA	NCE (NC	R)				
DATE	STEP	Description of NC		Corrective Action Section		Verific	cation	Approval	Approval	
DAIL	SILI	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Dat	& Secti	ion C	Chief Eng	QC Inspector	
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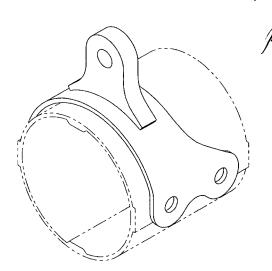
ITEM No.	QTY. -041	QTY. -043	PART NUMBER	DESCRIPTION	
1	X		D3405-041	LUG ASSEMBLY	
2		х	D3405-043	LUG ASSEMBLY	
11	1	1	D3404-1	GHW LUG	
12	1		D3405-1	GHW BRACKET	
13		1	D3405-3	GHW BRACKET	



SHOP COPY RETURN 10 ENGINEERING UNCONTROLLED CUPY SUBJECT TO AMENDMENT WITHOUT NOTICE



D3405-041 LUG ASSEMBLY (SKID TUBE SECTION SHOWN FOR REF ONLY)

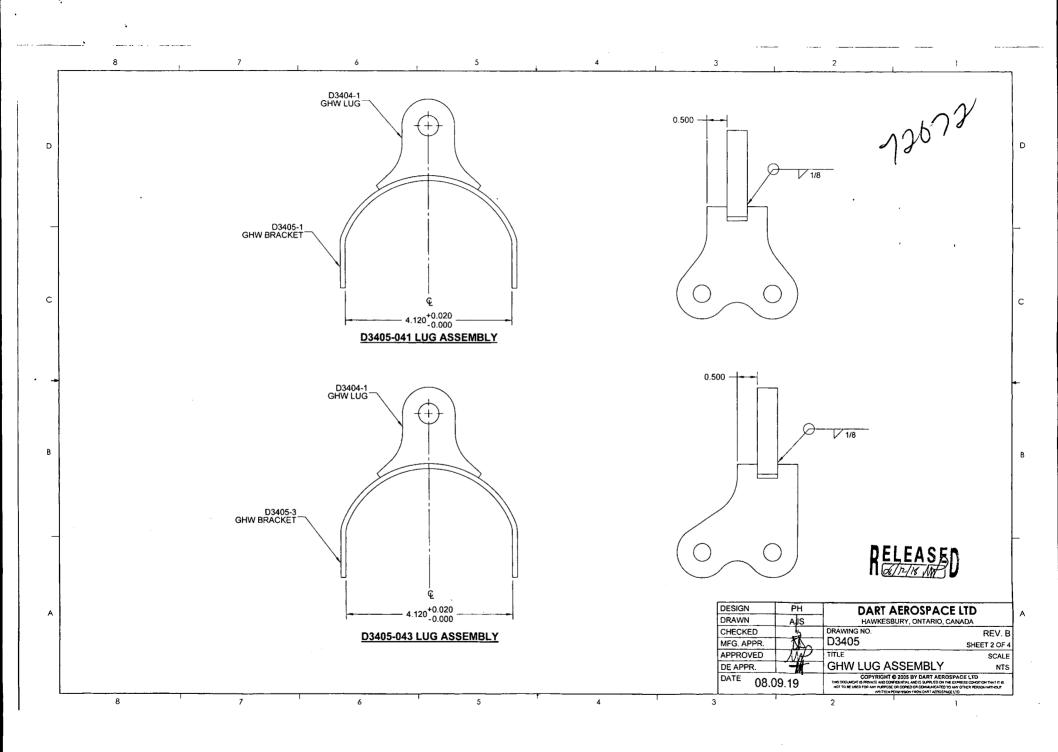


D3405-043 LUG ASSEMBLY (SKID TUBE SECTION SHOWN FOR REF ONLY)

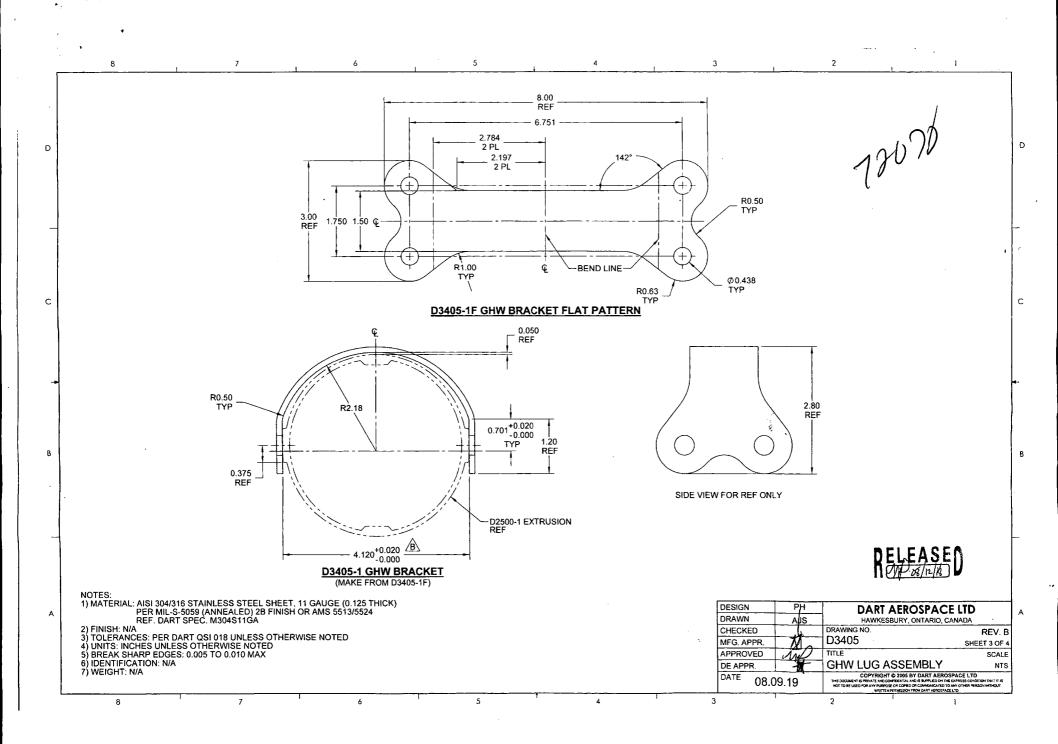
NOTES:
1) MATERIAL: N/A
2) FINISH: POWDER COAT ASSEMBLY WHITE (4.3.5.2) PER DART QSI 005 4.3
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3405-041" USING FINE POINT PERMANENT INK MARKER
: IDENTIFY WITH DART P/N "D3405-043" USING FINE POINT PERMANENT INK MARKER

В	DRAWIN STANDA FLAT PA PREVEN ZONE A	ARDS A	AJS	08.09.19			
Α	NEW IS:	SUE			PH	05.03.08	
REV.			- (DESCRIPTION	BY	DATE	
DESIGN	1	P	H _	DART AEROSPA	CEL	TD	
DRAW	1	A.	s	HAWKESBURY, ONTARI	IO, CANADA		
CHECK	ED			DRAWING NO.		REV. B	
MFG. A	PPR.	\A	2	D3405		SHEET 1 OF 4	
APPRO	VED	- /in	Z-	TITLE		SCALE	
DE APPR.				GHW LUG ASSEMBLY NTS			
DATE 08.09.19 те обоснени безопа в Убрата Авгора В Убрата Село В Обрата							

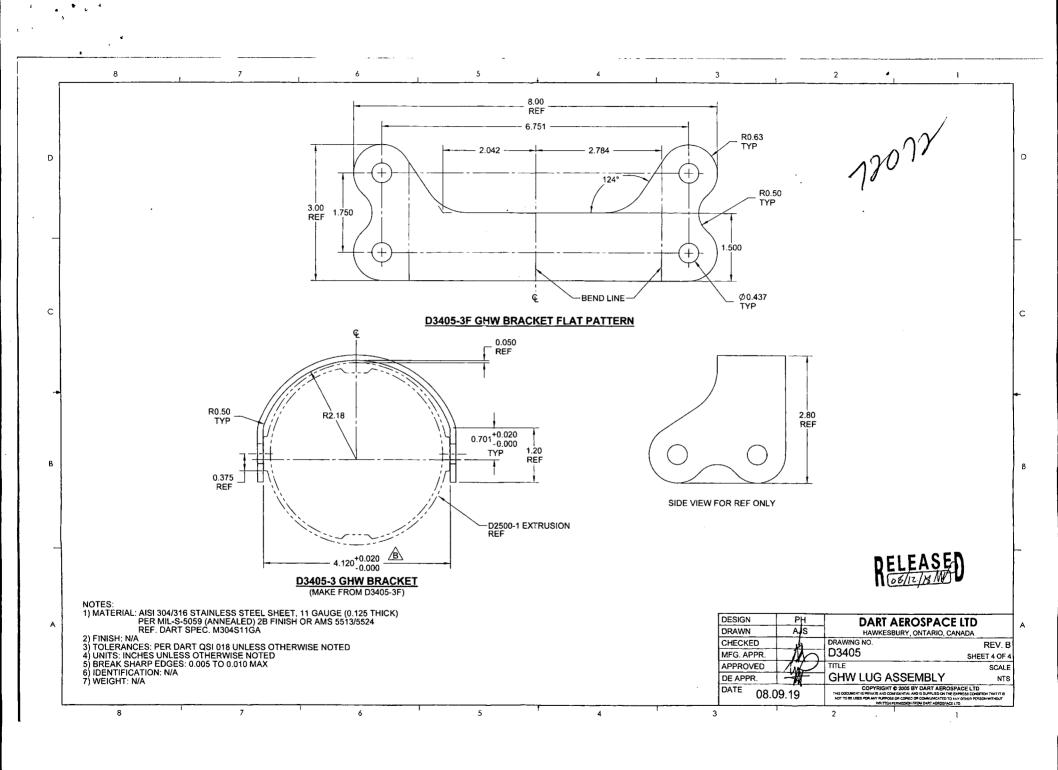
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W/O:			WO	RK ORDER CHANG	ES				•
DATE	STEP	PRO	PROCEDURE CHANGE			Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No:		PAR #:	Fault Cate	jory:	_ NCR: Ye	s No [DQA:	Date: _	
Resolution:			Disposition	Closed:	Closed: Date:				
NCR:		,	WORK ORDE	R NON-CONFORM	ANCE (N	CR)			
DATE	STEP	Description of NC			tion B		rification	Approval	Approval
	J.E.	Section A	Initial Chief Eng	Action Description Chief Eng	Sig Da	n & S	Section C	Chief Eng	QC Inspector
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W/O:			WO	RK ORDER CHANG	ES				•	
DATE STEP		PRO	PROCEDURE CHANGE					Approval Chief Eng / Prod Mgr	Approval QC Inspector	
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Part No	•	PAR #-	Fault Cated	orv.	NCR: Ye	s No DO	Δ.	Date:		
			: Fault Category: NCR: Yes QA: N/C (
NCR:			WORK ORDE	ER NON-CONFORMA	ANCE (NO	R)	•			
DATE	STEP	Description of NC Section A	Initial	Corrective Action Section Initial Action Description		l&r∣ _{Sect}	cation	Approval Chief Eng	Approval QC Inspector	
			Chief Eng	Chief Eng	Da	te				
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W/O:			WC	ORK ORDER CHANG	ES			,	
DATE	STEP	PROCEDURE CHANGE			Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC inspector
Part No:		PAR #:	Fault Cate	gory:	_ NCR: Yes	No DQ	A :	_ Date: _	
Resolution:			Disposition	n:	_ QA: N/C CI	osed:		Date: _	
NCR:			WORK ORD	ER NON-CONFORMA	NCE (NCR	()			
DATE	STEP	Description of NC	Description of NC Corrective Act			Verific	cation	on Approval	Approval
DAIL	JILF	Section A	Initial Chief Eng	Action Description Chief Eng			ion C	Chief Eng	QC Inspector
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W/O:			W	ORK ORDER CHANGE	ES			*-	
DATE	STEP	PRO	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
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Part No	:	PAR #:	Fault Cate	gory:	NCR: Yes	No DQA:		_ Date: _	
	R	esolution:	Dispositio	n:	QA: N/C Clo	sed:		_ Date: _	
NCR:			WORK ORD	ER NON-CONFORMA	NCE (NCR)			
DATE	OTED	Description of NC	Corrective Action Section B			Verificat	tion	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C		Chief Eng	QC Inspector
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